

Caged Fullbore Flowmeter (6-Arm CFBM)

Halliburton's Caged Fullbore Flowmeter (6-arm CFBM) is a larger variation of the 3-arm CFBM. Like its smaller counterpart, the 6-arm CFBM accurately measures downhole flow rates with coverage over a large cross section of the casing. Run at the bottom of the production-logging tool string, the 6-arm CFBM centers the spinner and supports the tool weight in deviated wells. Using a large-diameter impeller, it has the ability to detect very low flow rates, making it a valuable tool for operators and logging engineers. In addition, it has some extra upgrade options unavailable on the smaller model.

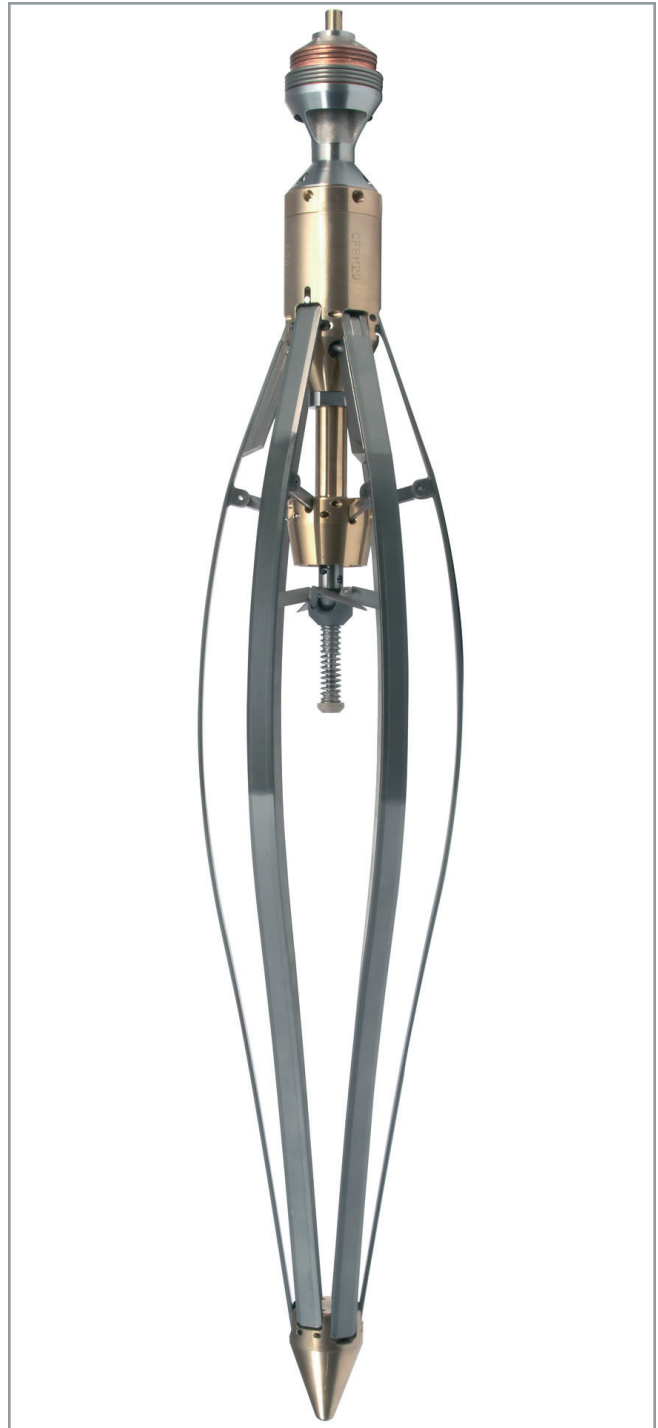
The tool has a 6-arm, spring-loaded cage that centers the spinner in the middle of the flow and supports tool weight in deviated wells. A large diameter impeller measures flow rates with coverage over a large cross section of the casing. The spinner runs on precision bearings, and its rotation is sensed by zero-drag Hall-effect detectors, the signal from which is converted into a flow-rate measurement. The low mechanical threshold of the tool enables it to be used in low flow rates, and normal output is 10 pulses per revolution with directional indication.

Benefits

- Provides accurate velocity measurements in highly deviated and horizontal wells
- Provides velocity measurement in low flow-rate wells
- Helps detect leaks and crossflows
- Fullbore velocity profiling for both injection and production wells

Features

- Interchangeable mechanical sections to match casing sizes from 4-1/2 to 9-5/8 in. (114 to 245 mm)
- Fully combinable with all Ultrawire™ production-logging tools
- Surface readout and memory-logging operations
- Lockable spinner for high-rate injection wells (standard feature for 9 5/8-in. tools)
- Solid impeller shafts for very high-rate wells



HAL24525

Caged Fullbore Flowmeter (6-Arm CFBM)		
Temperature Rating	350°F (177°C)	
Pressure Rating	15,000 psi (12,000 psi for 1 1/2-in. tool)	103.4 MPa (82.7 MPa)
Tool OD	1-11/16 in. (43 mm), 1-1/2 in. (38 mm)	
Tool Length	2.91 ft (0.889 m)	
Tool Weight (dependent on spinner and cage sizes)	10 lb (4.5 kg) for 1-11/16 in. tool with 7-in. cage	
Sensor Measure Point (from bottom of the tool)	13.5 in.	343 mm
Materials	Corrosion resistant throughout	
Output	10 pulses/rev (bi-directional)	
Spinner Threshold	1.7 ft/min (0.009 m/s) (approx), 100 B/D (15.9 m ³ /d) through 7-in. casing	
Maximum Fluid Velocity	500 ft/min (2.540 m/s), 28,250 B/D (4,491 m ³ /s) through 7-in. casing	
Casing Range	4-1/2 in. to 9-5/8 in.	

Ultrawire is a trademark of Sondex.
Developed in part through cooperation with Sondex.

For more information, contact your local Halliburton representative.

© 2014 Halliburton. All rights reserved. Sales of Halliburton products and services will be in accord solely with the terms and conditions contained in the contract between Halliburton and the customer that is applicable to the sale. H06277 1/14

www.halliburton.com

HALLIBURTON
Wireline & Perforating